

GenCore version 5.1.4.p5.4578  
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OM protein - protein search, using sw model

Run on: March 12, 2003, 00:09:41 ; Search time 24 Seconds  
(without alignments)  
1227.181 Million cell updates/sec

Title: US-10-046-433-40

Perfect score: 5506

Sequence: 1 MAEPGSHSLASRVGRTER.....LGRSNHLPRLGLMDLTQCR 1001

Scoring table: BLAST62

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Database : Issued\_Patents\_AA:\*

1: /cgn2\_6/prodata/1/1aa/5A\_COMB.pep:.\*  
2: /cgn2\_6/prodata/1/1aa/5B\_COMB.pep:.\*  
3: /cgn2\_6/prodata/1/1aa/5A\_COMB.pep:.\*  
4: /cgn2\_6/prodata/1/1aa/5B\_COMB.pep:.\*  
5: /cgn2\_6/prodata/1/1aa/5A\_COMB.pep:.\*  
6: /cgn2\_6/prodata/1/1aa/5B\_COMB.pep:.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	177.5	3.2	1193	US-08-400-159-10	Sequence 10, Appl
2	177.5	3.2	1193	US-08-611-729A-10	Sequence 10, Appl
3	172	3.1	1111	US-08-460-309-4	Sequence 4, Appl
4	172	3.1	1111	US-08-125-077-4	Sequence 4, Appl
5	167	3.0	610	5217870-2	Patent No. 5217870
6	164	3.0	610	US-08-365-470-3	Sequence 3, Appl
7	164	3.0	610	US-09-209-668-19	Sequence 19, Appl
8	164	3.0	610	US-09-009-490A-89	Sequence 89, Appl
9	161.5	2.9	2523	US-08-185-432-18	Sequence 18, Appl
10	161.5	2.9	2523	US-08-899-232-3	Sequence 3, Appl
11	160.5	2.9	1111	US-08-317-450B-15	Sequence 15, Appl
12	160.5	2.9	1111	US-08-800-593-15	Sequence 15, Appl
13	160.5	2.9	1193	US-08-317-450B-13	Sequence 13, Appl
14	160.5	2.9	1193	US-08-800-593-13	Sequence 13, Appl
15	160	2.9	2556	US-08-185-432-17	Sequence 17, Appl
16	160	2.9	2556	US-08-899-232-2	Sequence 2, Appl
17	158	2.9	1010	US-08-882-046-7	Sequence 7, Appl
18	158	2.9	1036	US-09-068-740A-6	Sequence 6, Appl
19	158	2.9	1187	US-09-068-740A-7	Sequence 7, Appl
20	158	2.9	1208	US-09-199-865-1	Sequence 1, Appl
21	158	2.9	1218	US-08-400-159-6	Sequence 6, Appl
22	158	2.9	1218	US-08-611-729A-6	Sequence 6, Appl
23	158	2.9	1218	US-08-882-046-2	Sequence 2, Appl
24	158	2.9	1218	US-09-214-278-7	Sequence 7, Appl
25	158	2.9	1218	US-09-068-740A-11	Sequence 11, Appl
26	156.5	2.8	3075	US-08-460-309-5	Sequence 5, Appl
27	156.5	2.8	3075	US-08-125-077-5	Sequence 5, Appl

28	156	2.8	1219	US-08-882-046-5	Sequence 5, Appl
29	155	2.8	998	US-08-449-645A-20	Sequence 20, Appl
30	155	2.8	998	US-08-702-367A-20	Sequence 20, Appl
31	155	2.8	998	PCT-US93-04681-20	Sequence 20, Appl
32	154.5	2.8	4544	US-08-469-486-52	Sequence 52, Appl
33	154.5	2.8	4544	US-08-469-658-52	Sequence 52, Appl
34	151	2.7	1148	US-08-882-046-4	Sequence 4, Appl
35	148	2.7	2703	US-08-185-432-19	Sequence 19, Appl
36	148	2.7	2703	US-08-899-232-4	Sequence 4, Appl
37	146.5	2.7	993	US-08-348-143-1	Sequence 1, Appl
38	146.5	2.7	993	US-08-571-785-1	Sequence 1, Appl
39	146.5	2.7	993	US-09-192-435-1	Sequence 1, Appl
40	146.5	2.7	993	US-09-558-340-1	Sequence 1, Appl
41	144.5	2.6	2471	US-08-185-432-16	Sequence 16, Appl
42	144.5	2.6	2471	US-08-083-530A-19	Sequence 19, Appl
43	144.5	2.6	2471	US-08-532-384-19	Sequence 19, Appl
44	144.5	2.6	2471	US-08-899-232-1	Sequence 1, Appl
45	141	2.6	2594	US-08-718-388-7	Sequence 7, Appl

#### ALIGNMENTS

RESULT 1  
US-08-400-159-10  
Sequence 10, Application US/08400159  
Patent No. 5869282  
GENERAL INFORMATION:  
APPLICANT: Ish-Horowitz, David  
APPLICANT: Henrique, Domingos M.P.  
APPLICANT: Lewis, Julian H.  
APPLICANT: Myat, Anna M.  
APPLICANT: Fleming, Robert J.  
APPLICANT: Aravanis-Tsakonas, Spyridon  
APPLICANT: Mann, Robert S.  
APPLICANT: Gray, Grace E.  
TITLE OF INVENTION: NUCLEOTIDE AND PROTEIN SEQUENCES OF THE  
TITLE OF INVENTION: SERRATE GENE AND METHODS BASED THEREON  
NUMBER OF SEQUENCES: 20  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Pennie & Edmonds  
STREET: 1155 Avenue of the Americas  
CITY: New York  
STATE: New York  
COUNTRY: USA  
ZIP: 10036-2711  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/400,159  
FILING DATE: 07-MAR-1995  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Mirock, S. Leslie  
REGISTRATION NUMBER: 18,872  
REFERENCE/DOCKET NUMBER: 7326-029  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 790-9090  
TELEFAX: (212) 869-9741/8864  
TELEX: 66141 PENNIE  
INFORMATION FOR SEQ ID NO: 10:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1193 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-400-159-10  
Query Match 3.2%; Score 177.5; DB 2; Length 1193;  
Best Local Similarity 19.2%; Pred. No. 9.5e-07;

Matches	169;	Conservative	67;	Mismatches	267;	Indels	377;	Gaps	44;	
Oy	40	QGTGPELHACK----	SEEHYEYTA	CDSTGSRM	KVAVPH	PTGLCTSL	PDVAKGT	-----	89	
Db	210	QGCSPKSHSSCV	PECRRCQ	YQMOG	GYCK-----	CLHP-----	PGCVHGT	IEBW	254	
Oy	90	ECSFECNNGEFLDM	QDS-C--	KPCAGRS	LAGTGF	FEWD-E	LPHGFAS	LANMEID	144	
Db	255	QCLCTNMGGQLCK	DLNATK	CGTHPC	PLNGT	GSNTGP--	DKYQCS	PEBYS--	GQNC	310
Oy	145	DSAEST-----	GNCTSK-----	WPRGDI	IAFNDE	CTATMY	AVNLK	OSGIV	189	
Db	311	EHACISDPC	HNHGGSC	LESTSTG	ECVAC	BGWA--	GPCTD	NIDDCS	PNPGHG	368
Oy	190	NPEYYPPSS	IFEFVY	NDQO----	PNADSR----	MMKTE	GMEFHS	VELN----	236	
Db	369	GFKICIP	QWMTGKTQ	OLDANE	CEGRC	PCVANS	CNRLIS	GYDCD	CTIGW	428
Oy	237	RG-----	NNVLW	RTTA	FSVWTK	VPKPV	LVRN	IAITGVA----	YTSECF--	276
Db	429	RGQCGNG	SGCDLVNG----	YRICIS	PGYAG	DHCER	DINE	CASN	468	
Oy	277	PKCPCTY	ADKQGS	SSCKIC	OPANS	YSNKG	ETSCHOD----	-----	PBK	315
Db	469	PCMNGGH	CODELNG	FOCLCP	AGFS	GNLCO	LDIDY	CEPN	CQNGA	528
Oy	316	YSEKSS-----	SCNVR	PACT-----	-----	-----	-----	-----	331	
Db	529	YEGKMC	SHLKH	CRTPTE	EVIDSC	VAVANS	TPREG	VISSN	VCGRPH	588
Oy	332	-DKDFF	YTHAD-----	ANGEL	QUL-----	MYKAK	KIKISE	DELEG	AVKL	375
Db	589	CECNNG	FGTGYCH	ENINDC	SNPC	KNGGCT	IDGVNS	YK-----	ICSDG	635
Oy	376	KTHCP-----	PCNP	g-----	FF-----	KTNST	QCP	PCPYGS	NSGSDC	408
Db	636	-TYCET	NINDSK	KNPC	HNCGT	CRDLV	NDFP	CECK	KNMGK	694
Oy	409	-----	TRCAG	IEPR	AVGEY	KMMNT	PT--	MMET	YLSG	452
Db	695	YDEG	DTFKMC	PCAGW	GAAC	NTIARN	SSCLP	NPNC	HNCGT	754
Oy	453	-----	VAGDH	ITTA	AGAS	NDE	FILLV	PFGR	POS	507
Db	755	QMTNDC	SRHPC	NSGCV	GDMMY	RECA	PRFAG	PRD-----	CR	793
Oy	508	NCELY	FVAGV	NSRTNP	TVETW	KGSK	KOSTY	YIIE	NTT	567
Db	794	N-----	INECO	SSPC-----	-----	-----	-----	-----	ARGAT	812
Oy	568	DVAKI	YSINW	TNMG	NVASYC-----	RPCAL	EASD	VSSC	TPAGY	613
Db	813	-----	INGY	RCIC	PRG	RGSG	PGCCQ	EVTGR	PCF--	852

APPLICANT: Artavanis-Tsakonas, Spyridon  
 APPLICANT: Mann, Robert S.  
 APPLICANT: Gray, Grace E.  
 TITLE OF INVENTION: NUCLEOTIDE AND PROTEIN SEQUENCES OF THE  
 TITLE OF INVENTION: SERRATE GENE AND METHODS BASED THEREON  
 NUMBER OF SEQUENCES: 20  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Pennie & Edmonds  
 STREET: 1155 Avenue of the Americas  
 CITY: New York  
 STATE: New York  
 COUNTRY: U.S.A.  
 ZIP: 10036-2711  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/611,723A  
 FILING DATE: 06-MAR-1996  
 CLASSIFICATION: 435  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Mistrock, S. Leslie  
 REGISTRATION NUMBER: 18,872  
 REFERENCE/DOCKET NUMBER: 7326-037  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (212) 790-9090  
 TELEFAX: (212) 869-9741/8864  
 TELEX: 66141 PENNIE  
 INFORMATION FOR SEQ ID NO: 10:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1193 amino acids  
 TYPE: amino acid  
 TOPOLOGY: unknown  
 MOLECULE TYPE: protein  
 US-08-611-729A-10

[illegible]

QY 376 KTHCP-----PCNPG-----PF-----KTNNSCQPCPYGSGNSDC 408  
 Db 636 -TYCEFINIDCSKNPCGCRDLVNDPFCCKNGKGRKCHSDSOCDEATCNNGGTC 694  
 QY 409 -----TRCPAGTPRPAVGEFKMMNTLPT---NMETTVLSGNEFYKGMTGWE----- 452  
 Db 695 YDEGDTFKCMCPAGMGATCNTRARNSSCLPNCCHNGSTCVSGSDSTCYCKSGMEPTCT 754  
 QY 453 -----VAGDHIYTAGASDNDEFMILLVYGFRRPOSVMADTENKEVANITVFETLCSY 507  
 Db 755 QNTNDCSPHCYNSGTCVSDBNWYRCECAAGFAGPD-----CR1 793  
 QY 508 NCELYEYVGNVSRNTPTVEFTWKSCKGKOSTYIIIEENTTTSFTWAFORTPHESKRYTN 567  
 Db 794 N-----INECOSSPC-----AFGATCVDE----- 812  
 QY 568 DVAKIYSINTVNVNGVASYC-----RPALEASDVSSCTSCPAGYYIDR 613  
 Db 813 -----INGYRCICPRGSRGCGQEVYGRFC-----TSIRVMDGAKKMD 852  
 QY 614 DSGTCHS-----CPRNTIL---KAHQ---PYGVQACVP-----C 641  
 Db 853 DCNCTCQCLNGKVTCSKVWCGPRCIIHAKGHNECPAG-HACVPRKEDHCFTHPCAAYGEC 911  
 QY 642 GPGTKNNKIHSLCYNDCTFSKNTPTFTFNYSFALANTVT 681  
 Db 912 WP-SNOQPVKTKCNSDSYDNCANITFTFKEMAPGLT 950

RESULT 3  
 US-08-460-309-4  
 ; Sequence 4, Application US/08460309  
 ; Patent No. 5837496

## GENERAL INFORMATION:

APPLICANT: Engvall, Eva

APPLICANT: Leivo, Ilmo

TITLE OF INVENTION: Nucleic Acids Encoding Merosin, Merosin

NUMBER OF SEQUENCES: 23

CORRESPONDENCE ADDRESS:

ADDRESSEE: Campbell and Flores

STREET: 4370 La Jolla Village Drive, Suite 700

CITY: San Diego

STATE: California

COUNTRY: USA

ZIP: 92122

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/460, 309

FILING DATE:

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/125,077

FILING DATE: 22-SEP-1993

APPLICATION NUMBER: US PCT/US 94/10730

FILING DATE: 21-SEP-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/472,319

FILING DATE: 30-JAN-1990

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/919,951

FILING DATE: 27-JUL-1992

ATTORNEY/AGENT INFORMATION:

NAME: Campbell, Cathryn A.

REGISTRATION NUMBER: 31,815

REFERENCE/DOCKET NUMBER: P-LA 9721

TELECOMMUNICATION INFORMATION:

TELEPHONE: (619) 535-9001

TELEFAX: (619) 535-8949  
 ; INFORMATION FOR SEQ ID NO: 4:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 3111 amino acids  
 ; TYPE: amino acid  
 ; TOPOLOGY: linear

US-08-460-309-4  
 Query Match 3.1%; Score 172; DB 2; Length 311;  
 Best Local Similarity 19.2%; Pred. No. 1.4e-05;  
 Matches 183; Conservative 86; Mismatches 331; Indels 354; Gaps 55;

QY 42 TGPETHACKESY-----HYEYV---ACDSTGSRMVRPAHPHGLCTS 81  
 Db 840 TGPBRCRCAEGYEGQSPVPGSGCPCQCNNDLPSICBSLSSCLICPGTTGRVCE 899  
 QY 82 LPDPVKGTCECSFSCNAGEFLDKD-QSCKPC---AEGRYSLGTGIRFDEMDLPHGFSL 137  
 Db 900 L-----CADGYFGDAVDANKCOPCRGNAGGSFS-----EVCH----- 931  
 QY 138 SANMELDASAESTGNCSTSSKWPVRGDIYAFNTDCTATLM-----YAVNLKOSGTV 189  
 Db 932 -----SOTGQCEC-----RANVOGQRCDCKAGTFLGASARCVCNCSFGSK 975  
 QY 190 NPEYYPDSIIIEFVYNDQ---COPNADSRMKTTEKGMFV---SVELNR-GNNV 241  
 Db 976 SFD-----CEBSGQCMQCPGYGKKCDRCAGHGFNFQEGGCTACCSHLGNVC 1023  
 QY 242 LYWRRTAFSVMTKVPKPRVLRNATITGAVTSECFKPKGTADQSGSFCILCPANSYS 301  
 Db 1024 -----DPR-----TGRCI-CPRNTIGER-----CSKCAPNTWG 1050  
 QY 302 NKETSCHQCDPPKYEKGS---SSCNVR-----PACTDKD 334  
 Db 1051 HSITTGKACN---CSVSGLDPQCNAVNTGQCNCHEKFSKACTECSRGMWVPRCNLCD 1107  
 QY 335 YFY---THACDANGETQTLWKWAKPKICSEDEG---AVKLPSGVKTHCPNCPGFF-- 387  
 Db 1108 CFLPGDTATTCDBE-----TKKCSGSDQTGGCTCKVNEGI---HCDRCRPGFGL 1156  
 QY 388 -KTNNSCQPCPYGSGNSGSDCTRCRPACTEPYAGFEFKMMNTLPTN-----METT 436  
 Db 1157 DAKNPPLCCSSC---YCFGT-TTQC---SEAGL-IRVWTLKAECTILPLVDEALQHT 1206  
 QY 437 VLSSINEFYKGMGWEVAGDHITAGASDNDEFMILLVYGF--RPOSVMADTENKEV 494  
 Db 1207 TTKGIVFQHPETVA-----HM-----DLMRDLHLEPYWKLPEQ----- 1241  
 QY 495 ARITFEFTLCSVNCELYFVGVNSRNTPTVEYTWKS---KGOSTYIIIEENTTSFT 550  
 Db 1242 ---FECKKLMAVGGKLTALYAFAREBTGFTYNPQVIRIGGTPTRARIIVRMAAPLI 1297  
 QY 551 WAFQRTTFH--EASRKYTNDYAKI-----YSTNVVWNGVASYC-----P 590  
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 QY 591 CALEASDVGSCT-----SCPAGYYIDRSG-TCHSCPRNTILKAHDPYG--- 634  
 Db 1358 ISMEVAEGRGTTPRPADLEKDCDPLGY-----SGLSCHACLPGRYLRUSQGGGRTPG 1412  
 QY 635 --VQACVPCGPGTKNNKIHSLCYNDCTFSKNTPTFTFNYSFALANTVTLAGGSPFSKG 692  
 Db 1413 PTLGTCVPC---QCNGHSSLDDEPETSICONCOHHT-----AG---DFCERC 1452  
 QY 693 LKYEHHFTLSL---CGNGRKMVSCTDVTDLRLPEGESGFSKITAYVCOAVIIPPEVT 749  
 Db 1453 ALGYGIYKGLPNDQOQACAPLISSNNFSPSCVAG-----LDVRCRTAC-----PR 1500  
 QY 750 GYKAGVSSQPVSLADRLIGVTTMDLIGTTSFALLFHELSGIDPVIFFTYNSNDVTOGCS 809  
 Db 1501 GTE-----GQYCERCAPGYTG-----SPGNP-----GSGCQDCE 1529  
 QY 810 SGRSTTIRVRCSPDKTVPSGLLPBGTSGDT---CDCGNFHFLEMSAACPLC 859



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Db 109 EDCVEIYIKREKDYGMNNDERCSKKIALCYTAAC-----TNTSCSGHGE-- 153
QY 350 LMYWMAKPKICSEDLGAVKLIPASGVKTHCPPCNPGEFKTNNSTCQPC----- 397
Db 154 -----CVELT-----INNYTCKDPPGSGLKCEQIYNCTALESPEHGS LV 192
QY 398 ---PYGSYNSGSDCT-----RCPAGTEPAVGF 421
Db 193 CSHPLGNFYSNCSISCDRGYLLPSSMETMQCMSGSEMSAPIPACVNECDAYTNPANGF 252
QY 422 EYKWMN--TLPTNMTTVLSGINEYKGMTEVAGDHITTAAGASPNDEMLITLVY-PG 478
Db 253 VECFQNPSPFWMTTCTFDCDEEGELMGAOSLQC-----TSSGMNDNEKPTCKAATCRA 306
QY 479 FRPQSVADENKENVARITFEVETLCVNCLEYFVGVNSRTWTPYETWKGSKGOSYT 538
Db 307 VROPONGSVKCSHPAGE--FTFKSSCNFTCEEGFML-----QGPAGV----- 347
QY 539 YIIENNTTSFTW-----AFORTTTHASRKTYTNDVAKIYSINVTNWMNGVASYCRP 590
Db 348 -----ECTTQGWTOQIIPVCEAFQCTALSNPERGYM-----CLP 382
QY 591 CALEASDVSSCT--SCPAGYI-----DRDSGTC-----HSCPNTIL 627
Db 383 SASGSFRYSSCEFCSEGEFVLKSKRLQCGPTGEMDNKPTCEAVRCDAVHOPPKGLVR 442
QY 628 KAHOPYG---VOACV-PCGPSTKNNKIHSLCYNDCT 659
Db 443 CAHSPIGFTYKSSCAFCSEEGF---ELHGSTQLECT 476

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RESULT 6
US-08-365-470-3
; Sequence 3, Application us/08365470
; Patent No. 5632991

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; GENERAL INFORMATION:

```

```

; APPLICANT: Gambione, Jr., Michael A.

```

```

; TITLE OF INVENTION: Antibodies Specific For E-selectin And The Uses
; THEREOF

```

```

; NUMBER OF SEQUENCES: 3

```

```

; CORRESPONDENCE ADDRESS:

```

```

; ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX

```

```

; STREET: 1100 New York Ave., NW

```

```

; CITY: Washington

```

```

; STATE: DC

```

```

; COUNTRY: USA

```

```

; ZIP: 20005

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; COMPUTER READABLE FORM:

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; MEDIUM TYPE: Floppy disk

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; OPERATING SYSTEM: PC-DOS/MS-DOS

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; SOFTWARE: Patent Release #1.0, Version #1.25

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; CURRENT APPLICATION DATA:

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; APPLICATION NUMBER: US/08/365,470

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; FILING DATE: herewith

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; CLASSIFICATION: 424

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; PRIOR APPLICATION DATA:

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; APPLICATION NUMBER: US 08/102,510

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; FILING DATE: 05-AUG-1993

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; PRIOR APPLICATION DATA:

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; APPLICATION NUMBER: US 07/850,802

```

```

; FILING DATE: 13-MAR-1992

```

```

; ATTORNEY/AGENT INFORMATION:

```

```

; NAME: Matkowitz, Karen R.

```

```

; REGISTRATION NUMBER: 36,351

```

```

; REFERENCE/DOCKET NUMBER: 0627.1350003

```

```

; TELECOMMUNICATION INFORMATION:

```

```

; TELEPHONE: 202-371-2600

```

```

; TELEFAX: 202-371-2540

```

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; INFORMATION FOR SEQ ID NO: 3:

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; SEQUENCE CHARACTERISTICS:

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; LENGTH: 610 amino acids

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; TYPE: amino acid

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; TOPOLOGY: linear

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US-08-365-470-3

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Query Match

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Best Local Similarity 19.3%; Pred. No. 5.3e-06;

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Matches 94; Conservative 42; Mismatches 163; Indels 188; Gaps 19;

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QY 230 FHSVELNRGNVLYWRTAFSVWTKPKPVLYNINAITGVAATSECFPCPKPTGYADKQGS 289
Db 69 YWIGIRKVNNV--W-----VWVGTKPL-----TEAKKNAPGEPNNRKQD 108
QY 290 SFCILCPANSYSKNGETSCHCQDPDRYSEKSSSCVNPACTDKDYFYHTACDANGEQ 349
Db 109 EDCVEIYIKREKDYGMNNDERCSKKIALCYTAAC-----TNTSCSGHGE-- 153
QY 350 LMYWMAKPKICSEDLGAVKLIPASGVKTHCPNCPGEFKTNNSTCQPC----- 397
Db 154 -----CVELT-----INNYTCKDPPGSGLKCEQIYNCTALESPEHGS LV 192
QY 398 ---PYGSYNSGSDCT-----RCPAGTEPAVGF 421
Db 193 CSHPLGNFYSNCSISCDRGYLLPSSMETMQCMSGSEMSAPIPACVNECDAYTNPANGF 252
QY 422 EYKWMN--TLPTNMTTVLSGINEYKGMTEVAGDHITTAAGASPNDEMLITLVY-PG 478
Db 253 VECFQNPSPFWMTTCTFDCDEEGELMGAOSLQC-----TSSGMNDNEKPTCKAATCRA 306
QY 479 FRPQSVADENKENVARITFEVETLCVNCLEYFVGVNSRTWTPYETWKGSKGOSYT 538
Db 307 VROPONGSVKCSHPAGE--FTFKSSCNFTCEEGFML-----QGPAGV----- 347
QY 539 YIIENNTTSFTW-----AFORTTTHASRKTYTNDVAKIYSINVTNWMNGVASYCRP 590
Db 348 -----ECTTQGWTOQIIPVCEAFQCTALSNPERGYM-----CLP 382
QY 591 CALEASDVSSCT--SCPAGYI-----DRDSGTC-----HSCPNTIL 627
Db 383 SASGSFRYSSCEFCSEGEFVLKSKRLQCGPTGEMDNKPTCEAVRCDAVHOPPKGLVR 442
QY 628 KAHOPYG 634
Db 443 CAHSPIG 449

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RESULT 7

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US-09-209-668-19

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; Sequence 19, Application us/09209668A

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; Patent No. 6114517

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; GENERAL INFORMATION:

```

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; APPLICANT: Monia, Brett P.

```

```

; TITLE OF INVENTION: METHODS OF MODULATING TUMOR NECROSIS FACTOR

```

```

; THEREOF

```

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; FILE REFERENCE: ISPH-0336

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; CURRENT APPLICATION NUMBER: US/09/209,668A

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; FILING DATE: 1998-12-10

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; SOFTWARE: Patentln Ver. 2.0

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; NUMBER OF SEQ ID NOS: 25

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; SEQ ID NO 19

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; TYPE: prt

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; ORGANISM: Homo sapiens

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US-09-209-668-19

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Query Match

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Best Local Similarity 19.3%; Pred. No. 5.3e-06;

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Matches 94; Conservative 42; Mismatches 163; Indels 188; Gaps 19;

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QY 230 FHSVELNRGNVLYWRTAFSVWTKPKPVLYNINAITGVAATSECFPCPKPTGYADKQGS 289
Db 69 YWIGIRKVNNV--W-----VWVGTKPL-----TEAKKNAPGEPNNRKQD 108
QY 290 SFCILCPANSYSKNGETSCHCQDPDRYSEKSSSCVNPACTDKDYFYHTACDANGETO 349

```

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Db 109 EDCEIYIKREKDVGMNDEKSKKLALCYTAA-----TINSCGHE-- 153
QY 350 LMYKAKPKICSEDELEGAVKLPASGVTHCPNCPNPFKTNSTCQPC----- 397
Db 154 -----CVER-----INNYYCKCDPFGSLKCEQIVNCTALESPEHSLV 192
QY 398 ---PYGSYSNGSDCT-----RCPAGTEPAVGF 421
Db 193 CSHPLGNFSYSSCSISCDRGLPSSMETQCMSSGMSAPIPACNVVECDATNPANGF 252
QY 422 EYKWN--TLPTNMTVLSGINEYKMGWEVAGDHITYAAGASDNDFMILLVY-PG 478
Db 253 VECFQNGSPFWNTTCFDEEGFELMGAQSLC-----TSSGMDNEKPTCKAVTCRA 306
QY 479 FRPQSVADTENKEVARITFVETLCSVNCLEYFVGVNSRINTPVEYTKSGKQOST 538
Db 307 VRQPNQSVKCSHPAGE--FTKSSCNFTCEGFM-----QGPAY----- 347
QY 539 YIIENNTTSFTW-----AFORTTFFHASKRYTNDVAKIYSINVTVMNGVASYCRP 590
Db 348 -----ECTTQGWTOQIIPVCEAFQCTALSNPERGYM-----CLP 382
QY 591 CALEASDVSSCT--SCPAGYI-----DRSGTC-----HSCPNTIL 627
Db 383 SAGSFRYSSCEPSCBQGVLAGSKRLQCGPTGEMDNKPTCEAVRCDAVHQPGLVR 442
QY 628 KAHQPYG 634
Db 443 CAHSPIG 449

```

RESULT 8  
US-09-009-490A-89  
Sequence 89, Application US/09009490A  
Patent No. 6300491  
GENERAL INFORMATION:  
APPLICANT: Bennett and Mirabelli  
TITLE OF INVENTION: Oligonucleotide Modulation  
NUMBER OF SEQUENCES: 95  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Law Office of Jane Massey Licata  
CITY: Marlton  
STATE: NJ  
COUNTRY: USA  
ZIP: 08053  
COMPUTER READABLE FORM:  
MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 MB STORAGE  
COMPUTER: IBM PS/2  
OPERATING SYSTEM: Windows 95  
SOFTWARE: WORDPERFECT 6.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/009,490A  
FILING DATE: January 20, 1998  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 440,740  
FILING DATE: May 12, 1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 063,167  
FILING DATE: May 17, 1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 969,151  
FILING DATE: February 10, 1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 007,997  
FILING DATE: January 20, 1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 939,855  
FILING DATE: September 2, 1992  
PRIOR APPLICATION DATA:

```

APPLICATION NUMBER: 567,286
FILING DATE: August 14, 1990
ATTORNEY/AGENT INFORMATION:
NAME: Jane Massey Licata
REGISTRATION NUMBER: 32,257
TELECOMMUNICATION INFORMATION:
TELEPHONE: (609) 810-1515
TELEFAX: (609) 810-1454
INFORMATION FOR SEQ ID NO: 89:
SEQUENCE CHARACTERISTICS:
LENGTH: 610
TYPE: Amino Acid
STRANDEDNESS: Single
TOPOLOGY: Linear
ANTI-SENSE: no
US-09-009-490A-89

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Query Match 3.0%; Score 164; DB 4; Length 610;  
Best Local Similarity 19.3%; Pred. No. 5.3e-06;  
Matches 94; Conservative 42; Mismatches 163; Indels 188; Gaps 19;

```

QY 230 FHSVELNGNNVLYWRTTAFSVWTKVPRVLYRNIAIGVATSECPKRGTYADQGS 289
Db 69 YWIGIRKRVNN--W-----VWGTOKPL-----TEAKMAGPEPNHOKD 108
QY 290 SFCKLCPANYSNKGSTCHQCDPDKYSKSGSSCNRPACTDKPYETHACDANGETQ 349
Db 109 EDCEIYIKREKDVGMNDEKSKKLALCYTAA-----TINSCGHE-- 153
QY 350 LMYKAKPKICSEDELEGAVKLPASGVTHCPNCPNPFKTNSTCQPC----- 397
Db 154 -----CVER-----INNYYCKCDPFGSLKCEQIVNCTALESPEHSLV 192
QY 398 ---PYGSYSNGSDCT-----RCPAGTEPAVGF 421
Db 193 CSHPLGNFSYSSCSISCDRGLPSSMETQCMSSGMSAPIPACNVVECDATNPANGF 252
QY 422 EYKWN--TLPTNMTVLSGINEYKMGWEVAGDHITYAAGASDNDFMILLVY-PG 478
Db 253 VECFQNGSPFWNTTCFDEEGFELMGAQSLC-----TSSGMDNEKPTCKAVTCRA 306
QY 479 FRPQSVADTENKEVARITFVETLCSVNCLEYFVGVNSRINTPVEYTKSGKQOST 538
Db 307 VRQPNQSVKCSHPAGE--FTKSSCNFTCEGFM-----QGPAY----- 347
QY 539 YIIENNTTSFTW-----AFORTTFFHASKRYTNDVAKIYSINVTVMNGVASYCRP 590
Db 348 -----ECTTQGWTOQIIPVCEAFQCTALSNPERGYM-----CLP 382
QY 591 CALEASDVSSCT--SCPAGYI-----DRSGTC-----HSCPNTIL 627
Db 383 SAGSFRYSSCEPSCBQGVLAGSKRLQCGPTGEMDNKPTCEAVRCDAVHQPGLVR 442
QY 628 KAHQPYG 634
Db 443 CAHSPIG 449

```

RESULT 9  
US-08-185-432-18  
Sequence 18, Application US/08185432  
Patent No. 5750652  
GENERAL INFORMATION:  
APPLICANT: Artavanis-Tsakonas, Spyridon  
APPLICANT: Busseau, Isabelle  
APPLICANT: Diederich, Robert J.  
APPLICANT: Xu, Tian  
APPLICANT: Matsuno, Kenji  
TITLE OF INVENTION: DELETED PROTEINS, NUCLEIC ACIDS, AND  
NUMBER OF SEQUENCES: 23  
CORRESPONDENCE ADDRESS:

ADDRESSEE: PENNIE & EDMONDS  
 STREET: 1155 Avenue of the Americas  
 CITY: New York  
 STATE: New York  
 COUNTRY: U.S.A.  
 ZIP: 10036-2711  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 OPERATING SYSTEM: IBM PC compatible  
 SOFTWARE: Patentin Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/185,432  
 FILING DATE: 21-JAN-1994  
 CLASSIFICATION: 530  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Mistrock, S. Leslie  
 REGISTRATION NUMBER: 18,872  
 REFERENCE/DOCKET NUMBER: 7326-006  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (212) 790-9090  
 TELEFAX: (212) 869-8864/9741  
 TELEX: 66141 PENNIE  
 INFORMATION FOR SEQ ID NO: 18:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 2523 amino acids  
 TYPE: amino acid  
 TOPOLOGY: unknown  
 MOLECULE TYPE: protein  
 US-08-185-432-18

Query Match 2.9%; Score 161.5; DB 1: Length 2523;  
 Best Local Similarity 18.7%; Pred. No. 8.7e-05;  
 Matches 199; Conservative 95; Mismatches 340; Indels 431; Gaps 63;

QY 47 HACKESEHYEYTAADSTSRMRVAVPHPTGICTSLPDPVKGTGCTSCFSCNA---GEFLDM 103  
 DB 710 HMCILS-----EYNECSN-----PCIHGAC---HGVNXYKC--DCEAGWSSGNDI 751  
 QY 104 KDOSCK--PCABGRYSLGITGIRFDEWDELPHGFASISANMELDDSAESTGCTSSKWP 161  
 DB 752 NNNECSNOMNG---GT-----CKDWTGAVICTCKAGFSGPNQOT----- 789  
 QY 162 RGDYIAFNDECTAT--LMYAVNLKOSGTVNFEYYPDSIIFFEFV-----QNDQ 210  
 DB 790 -----NINECSSNCLNHHGTICIDVAGYKCNMLPYGALICEAVLAPCASSPKNGR 842  
 QY 211 COPNADSRMKTTEKGWFEHVELNRGNVLYWRTTASVTKYKPYLVANLAI--T 267  
 DB 843 CKSEDEFETSCPCPRMOGOTCEIDMNE-----CVNRP--CRNGATCONT 886  
 QY 268 GVAVTSECFP-----CKP-----GTIADKQSSCKCKLCPANSYKNETSC 308  
 DB 887 NGSYKCKCKPGYTGRCNEMDIDCQPPCHNGSSCSGDIIMFPCN--CPAGFRGPKCEDI 945  
 QY 309 HQCDPKYSEKSSCNVRACDIDKDYFTHTA-----CDANGFOTLMYKMAKPKIC 360  
 DB 946 NEC-----ASNPCKNGANGCTDCVNSTYCTCQPGFSGIHCSNTPD-----C 986  
 QY 361 SED--LEGAVYLPASGVKTHCPCPNPGFFKT-----NSTCQPCPYGSYS 403  
 DB 987 TESSCFNGGICI--DGINTTCCQPPGFTSGYCOHIDNECDKPKCLNGGTCDQ--SYGTYK 1043  
 QY 404 NGSDCTRCPCAGTEPAVFE---YKWNLTPLTMMETVLSGINF---EYCGMGMWEVAGD 456  
 DB 1044 -----CT--CPOG---YTGLNCONLVRMCDSSPKCKGKCMQOTNNFEYRCECK--SGW----- 1088  
 QY 457 HIYTAAGSNDDEMLITLVYGFRRPOSVADATENKEVARIITFEVETLCSVNGELYPMVG 516  
 DB 1089 -----TGYVCOVPSVSCV----- 1102  
 QY 517 VNSRTNPVETWKGSKGOSYTYIIEENTTTSTFWAFQRTTFHASKRYINDAKIYSIN 576

DB 1103 -----AAKQGVDIHLCRNSGMCYDTGTHFRCQOAGYT----- 1137  
 QY 577 VINWANGVASYCR-----PALEASDVSSCT-----SCPAGYIIDDSGCTSCSPN 624  
 DB 1138 -----GSYCEQVDECSPPNCCONGATCTDYLGYSCCYAGHGVNCSFEINEC----- 1186  
 QY 625 TLKHAQPYGVACV-----PCGPGYKNNKIH--SLICYNDCTESRNTPTRTFNVNSA 675  
 DB 1187 -----LSHPCONGCTCIDLINTYKSCSPRTQG--VHCEIWNDDCT----- 1225  
 QY 676 LANTVTLAGPSFTSGKLYFHFTLS--LCGNQGRKMSYCTDNYVDLRIPEGESGFSKSI 734  
 DB 1226 -----PFYDSFTLEPKCFNNGK-----CIDVY----- 1247  
 QY 735 TAYVCAVILIPREVTYKAGVSSQPVSLDRLIGVTTMDLIDITSAPLFIHLSIGIPD 794  
 DB 1248 GGYNC---ICPPGFVG-----ERCGDVNEC-----LSNPC-----DSRGTON 1282  
 QY 795 VIFEYRSNDYTOSCSGSRSTTIRVCSPOKTVPGSLLPETGSDTCDGCFHFLMESAA 854  
 DB 1283 CIGLV--NDYRCERQGFGR-----RC--ESVVDGCKGMP--CRNG-----G 1319  
 QY 855 ACPICSVADYHAIVSSCVAGIQKTYTYWREPKICS-----GG--ISLPRQVYICKTID 906  
 DB 1320 TCVAVASNTE--RGFICKCPGPGDATCEY--DSRTCSNLRCONGGTCTISVLTSSKVCSE-- 1375  
 QY 907 FWLKVGISAGTCTAILTLVLT--CY-----FWKN-------OKLEYKY 941  
 DB 1376 -----GYTGATCOYPIVSPCASHPCYNGGTGQFFAEPEFPQCCPKFNGLFCHILDYER 1430  
 QY 942 -SKLVNATLKDCDLPAADSCAIMEGEDVDDLFTS--KNHSIG 983  
 DB 1431 PGIGKNTTPDND-----DICENECSELADNKCVCANCNHAG 1471

RESULT 10  
 US-08-899-232-3  
 ; Sequence 3, Application US/08899232  
 ; Patent No. 6436650  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Artavanis-Tsakonas, Spyridon  
 ; TITLE OF INVENTION: ACTIVATED FORMS OF NOTCH AND METHODS BASED THEREON  
 ; FILE REFERENCE: 7326-046  
 ; CURRENT APPLICATION NUMBER: US/08/899,232  
 ; CURRENT FILING DATE: 1997-07-23  
 ; NUMBER OF SEQ ID NOS: 4  
 ; SOFTWARE: Patentin Ver. 2.0  
 ; SEQ ID NO 3  
 ; LENGTH: 2523  
 ; TYPE: PRT  
 ; ORGANISM: Xenopus sp.  
 US-08-899-232-3

Query Match 2.9%; Score 161.5; DB 4: Length 2523;  
 Best Local Similarity 18.7%; Pred. No. 8.7e-05;  
 Matches 199; Conservative 95; Mismatches 340; Indels 431; Gaps 63;

QY 47 HACKESEHYEYTAADSTSRMRVAVPHPTGICTSLPDPVKGTGCTSCFSCNA---GEFLDM 103  
 DB 710 HMCILS-----EYNECSN-----PCIHGAC---HGVNXYKC--DCEAGWSSGNDI 751  
 QY 104 KDOSCK--PCABGRYSLGITGIRFDEWDELPHGFASISANMELDDSAESTGCTSSKWP 161  
 DB 752 NNNECSNOMNG---GT-----CKDWTGAVICTCKAGFSGPNQOT----- 789  
 QY 162 RGDYIAFNDECTAT--LMYAVNLKOSGTVNFEYYPDSIIFFEFV-----QNDQ 210  
 DB 790 -----NINECSSNCLNHHGTICIDVAGYKCNMLPYGALICEAVLAPCASSPKNGR 842  
 QY 211 COPNADSRMKTTEKGWFEHVELNRGNVLYWRTTASVTKYKPYLVANLAI--T 267  
 DB 843 CKSEDEFETSCPCPRMOGOTCEIDMNE-----CVNRP--CRNGATCONT 886



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QY 268 GVAATSECFP-----CKP-----GTADKQSSPFCKLCPANSYSKGETSC 308
D 887 NGSYKCNCKPGYTRNCNEMDIDCQPNPCNHGSSCSGIMNFCN-CPAGRGKPCBEDT 945
QY 309 HQCPDXYKSEKSSCNVPRACDXYTHTA-----CDANGETOLMYKAKPKIC 360
D 946 NEC-----ASNPKCKNGANCTDCVNSYCTCQPGFSGIHCESTPD-----C 986
QY 361 SED--LEGAVKLPASGVKTHCPNCPNPEFFK-----NSTCQCPYSGIS 403
D 987 TESSCFMGNCI--DGINTFTCCCPPEFTSGYCOHDINECDKPCJLNGTQOD-SYGYK 1043
QY 404 NGSDCTRCRPAETBPAGFE-----YKMMNLTPTNMTETVLSGINF-----EYKMTGMEVAGD 456
D 1044 -----CT-CPQG-----YTGILNCONLVRMCDSSPCANGCKMOTNPFYRCECK--SGM----- 1088
QY 457 HIYTAASANDMILTLVYVGRPRQSVADTENKEVARITVFETLCSVNCLEYMVG 516
D 1089 -----TGVCYDVSVCSEV----- 1102
QY 517 VNSRTNPTVETWKGSKGOSYTYIIEENTTSFTMAFORTTEHARXKTYNDVAKIYSIN 576
D 1103 -----AKQGVQIVHLCKRNSGCVTGTHRCOAGT----- 1137
QY 577 VTVMANGVASYCR-----PCALEASDVSSCT-----SCPAGYIDRDSGTCHSCPNN 624
D 1138 -----GSYCEQYDECSNFCQNGATCTDLGYSCECAVAGYVNCSEIENC----- 1186
QY 625 TILKAHQYGVQACV-----PCGPRGNKKIH-SLCYNCTSRNPTPTFNYNBSA 675
D 1187 -----LSHPCQNGGICIDLINTYKCSCPRTQG--VHCEINVDCT----- 1225
QY 676 LANTVTLGAGPSTSGKLYFHHFTLS-LCGNQRKMSYCTNVLDLRIPEGESGFSKI 734
D 1226 -----PFYDSFTLEPKCFNNKG-----CIDRV----- 1247
QY 735 TAYVCAVLIPEPMYKAGVSSQPSLADRLIGYTTMTLDGITSPELPHLESIGJD 794
D 1248 GGYNC--ICPFGVG-----ERCEGVNCE--LSNFC-----DSRGTQN 1282
QY 795 VIEFYRSDVYTCSSGSRSTIRVRCSPQKTVPSILLPTGSCDQCNHFLMEASA 854
D 1283 CIOLV--NDYRCECRQGFGR--RC--ESVYDGCKMP--CRNG-----G 1319
QY 855 ACPPLSVADYHAIYSSCAVAGIOKTYTVREPKLS-----GG--ISLPEQRTVICTID 906
D 1320 TCVAASNTE-RGFICRCPGFDGATCEY-DSRTCSNLRCONGCTISVLTSSKVCSE-- 1375
QY 907 FWLKGISAGTCTALILVLT-----CY-----FMKKN-----OKLEYK 941
D 1376 -----GYGATCQYVYISPCASHPCYNGGTCQFAEERPFQCFPKNNGILFCHILDEF 1430
QY 942 -SKLVMAATLDCDLPAADSCAIMGCEDEVEDDLFTS--KNHSLG 983
D 1431 PGGLCKNITPPDND--DICEBQCSLADNCKVCMANCNHAG 1471

```

## RESULT 11

US-08-317-450B-15

Sequence 15, Application US/08317450B

Patent No. 5660982

GENERAL INFORMATION:

APPLICANT: TRYGVASSON, KARL

APPLICANT: KALLUNKI, PEKKA

TITLE OF INVENTION: Laminin Chains: Diagnostic and

NUMBER OF SEQUENCES: 19

CORRESPONDENCE ADDRESS:

ADDRESSEE: BANNER &amp; ALLEGRETTI, LTD.

STREET: Ten South Wacker Drive

CITY: Chicago

```

STATE: Illinois
COUNTRY: USA
ZIP: 60606
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/317/450B
FILING DATE: 04-OCT-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Chao, Mark
REGISTRATION NUMBER: 37,293
REFERENCE/DOCKET NUMBER: 94,778
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-715-1000
TELEFAX: 312-715-1234
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 1111 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-317-450B-15

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Query Match 2.9%; Score 160.5; DB 1; Length 1111;
Best Local Similarity 17.9%; Pred. No. 2.9e-05;
Matches 123; Conservative 80; Mismatches 241; Indels 245; Gaps 33;

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QY 275 CFPCKPGTYADKQSSPFCKLCPANSYSKGETSCHODDPKYSKSSCNVPRAC-- 331
D 65 CEKCKNGYRIHREDR-CLPCNCS--KSLSA-RCD--NSGRKSCRGYVGAR 112
QY 332 -DKDYFTHACDANGETOLMYKAKPKICSED--LEGAVKLPASGVKTRCP--CN 383
D 113 CDRCLPGFHHMLTDAG-----CTQDQRLDSDSCDDOPAGIAPCADGKRYCK 158
QY 384 PGFFKTNNSQCPQPVYSYS--NGSDCTRCRPAETBPANGFEYKMMNLTPTNMTETVLS 439
D 159 PA--VTGERDCRDRSSQYVNLDDGNPBGCTQC-----FCYGHASCSRSASAEYSVHK 206
QY 440 GINEFYKMTGMEVA-----GDHITYTAGASDNPFMILTLVVPGRFP--P 482
D 207 ITSFHQDVGKMAVQNGSPAKLQMSQRHODVFFSHQRLDPYEVAPAKFLGMDQVSYG 266
QY 483 QSVWADTENKEVARITVFETLCSVNCLEYMVGVNSRNTPVETWKGSKG-----Q 535
D 267 QSLSFYDRVDRGHRPASHDVI-----LEGAGLRITAPLM--PLGKTLPGCLTK 313
QY 536 SYTYIIEENTTSFTMAFO-----RTTFHASKKYNDVAKIYSIN 577
D 314 TYTFRLMEHNSN--WSPQSLYEFYRLLRNLTALRIRATYGERYSTGYIDNVT--LISA 368
QY 578 TNVMANGVASYCRPCALEASDVSSCTSPAGY-----YIDRDS 615
D 369 RPYSGAPAPVVEQCICPVYKGGQFCQDCASGYKVRDSARLPGFTCTPCNCGGACDPDT 428
QY 616 GTCHSCPNTILKA-----HQPYGQACVPCEGTYKNNKIHSLCYNDCTFSRNTPTR 667
D 429 GDCYSGDENPDIIECADCPIGFYNDPDRSKPCP-----CHN----- 466
QY 668 TFNYNFSALANTVTLGAGSFTSGKLYFHHFTLSLGN-----QGRKMSYCTDNTVTLR 722
D 467 --GFSCSVIPETREV-----VCNNCPGVYGARKEICADADY--FG 502
QY 723 IPEGESGFSKSTAYVQCAVLIPEVYGYKAGVSSQPSLADRLIGYTTMTLDG----- 777
D 503 DFEHGEPVPRPCQCNCS--NVDPSASGNCRLTGRLCKLINTAGIYCDQCKAGYFDDP 561
QY 778 -ITSPELPHLESIGLIPDYIIFYRSDVYTCSSGSRSTTIRVRCSPQKTVPSILLPGTC 836
D 778 -ITSPELPHLESIGLIPDYIIFYRSDVYTCSSGSRSTTIRVRCSPQKTVPSILLPGTC 836

```





APPLICANT: Tytgavason, Karl  
APPLICANT: Kallunki, Pekka  
APPLICANT: Pyke, Charles  
TITLE OF INVENTION: Laminin Chains: Diagnostic and  
TITLE OF INVENTION: Therapeutic Use  
NUMBER OF SEQUENCES: 19  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: McConnell Boehnen Hulbert & Berghoff  
STREET: 300 South Wacker Drive  
CITY: Chicago  
STATE: Illinois  
COUNTRY: USA  
ZIP: 60606

QY	275	CPCFKGTYADKQSSFKLCIPANYSNKEPETHOCHDDPKXSEKSSSCNVRAC	331
Db	65	CECKKNGFYRHHERR-CLPCNCMS---KKSLSA-RCD-----NSGRCSCKPEVGTGAR	112
QY	332	-DKDYFYTHACDANGETOLMYKMAKPKIGSED--LEGAVKLIPASGVKTRCP-----CN	383
Db	113	CDRCLEPGFHMLTDAG-----CTDQRLDLSKCCDDPAGIAPGCDAGRCYCK	158
QY	384	PGFFKNNSTQCPGYSYS--NSDCTRCPCAGTEPAVGEYKWMNTLPTNNETVLS	439
Db	159	PA---VTGERCDRCSSGYIYNDGNGPBCYQC-----FCYHSASCRSSSAEYSVHK	206
QY	440	GLNFEEKKGTGEYVA-----GDHYTAGASDNDFFILFLVYVGRPP---P	482
Db	207	IISTHODVDGKMAQVRNGRSPAKIOMSQRRQDYFSSAQQLDYYVVAAPAKLGMQOYSTG	266
QY	483	QSVMAADTENKEVARITTEVFETLSSVNCLEYFMVGVNSRTNPEVETWMSKGR-----Q	535
Db	267	OSLSFDYRVDKGRHPSAHVY-----LEGAGLRITABLM---PLGKTLPGCLTK	313
QY	536	SVTYIIIENTTSTSTMAFQ-----RTTHEASRKTNDYNAKIYSINV	577
Db	314	TYTEFLNHHPSNN--WSPOLSTFEYERLLNLTALIRATYGEYSTGYIDNVY---LISA	368
QY	578	TVMNGVASYSRPCALBASDVSSGSCSPAGY-----YIDRS	615
Db	369	RVSASAPAPWEOGLICVYKQGFODCQDCASGYKRBASRLGPEGTCIPNCOGGAGCADPOT	428
QY	616	GTCHSCSPNTILKA-----HQPYGVQACVPCGPGTKNNKIHSLCYNDCTESRMTPTP	667
Db	429	GCYSGDENPDIECADPPIGFYNDPDPKSKPCP-----CHN-----	466
QY	668	FTNVAFSALANTYVLAGGSPFTSKGLKYHHHTLSLGN-----QGRMAYCTDNTDRL	722
Db	467	--GFGCSVYIPTEEV-----VCNNCPGVYTGARCEIADGY--FG	502
QY	723	IPEGSGFSKITAYVQAOVYIIPPEVYGRKAGVSSOPVSLADRLIGYTTMTLIDG-----	777
Db	503	DPFGHGVRRCPQPCQONS--NVDPSASGCMDBLJTRCLAKTCHNTAGTICYDQCAKAGTFGP	561
QY	778	-ITSBAELPHLESIGIPDYIEFYRSNDVYQSCSSGRSTTIRVCRSPKQTVPGSILLPGTC	836

Db 562 LAPNPA-----DKCRACN-----CNPMGSEP-----VGCR 586

QY 837 SDGTC-----DGCNHFLEMSAACPLC 859

Db 587 SDGTCVCKPFGGPNCE---HGAFCSPAC 612

RESULT 15

US-08-185-432-17

Sequence 17 Application US/08185432

Patent No. 5750652

GENERAL INFORMATION:

APPLICANT: Artavanis-Tsakonas, Spyridon

APPLICANT: Busseau, Isabelle

APPLICANT: Diederich, Robert J.

APPLICANT: Xu, Tian

APPLICANT: Matsuno, Kenji

TITLE OF INVENTION: DELTEX PROTEINS, NUCLEIC ACIDS, AND

TITLE OF INVENTION: ANTIBODIES, AND RELATED METHODS AND COMPOSITIONS

NUMBER OF SEQUENCES: 23

CORRESPONDENCE ADDRESS:

ADDRESSEE: PENNIE & EDMONDS

STREET: 1155 Avenue of the Americas

CITY: New York

STATE: New York

COUNTRY: U.S.A.

ZIP: 10036-2711

MEDIUM TYPE: Floppy disk

COMPUTER READABLE FORM:

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/185,432

FILING DATE: 21-JAN-1994

CLASSIFICATION: 530

ATTORNEY/AGENT INFORMATION:

NAME: Mistrock, S. Leslie

REGISTRATION NUMBER: 18,872

REFERENCE/DOCKET NUMBER: 7326-006

TELECOMMUNICATION INFORMATION:

TELEPHONE: (212) 790-9090

TELEFAX: (212) 869-8864/9741

TELEX: 66141 PENNIE

INFORMATION FOR SEQ ID NO: 17:

SEQUENCE CHARACTERISTICS:

LENGTH: 2556 amino acids

TYPE: amino acid

TOPOLOGY: unknown

MOLECULE TYPE: protein

US-08-185-432-17

Query Match 2.9%; Score 160; DB 1; Length 2556;

Best Local Similarity 20.0%; Pred. No. 0.00012;

Matches 208; Conservative 102; Mismatches 339; Indels 390; Gaps 67;

QY 1 MAEPGHS-HHLSARYRGTRERIRIPMLRLLMAGT-----AFQYTOGTGP-----EL 46

Db 590 LCRPGYTGHCETNINECSSOPC-RLW-----GTCDPDNAVYLCFCCLKGTGPACNELN 642

QY 47 HAKRESEHYEYTAGDS-----TGSRMVAVPHTPGLTSLPDPVKGTEC-----91

Db 643 DDCASS-----PCDSGCLDKIDYEGACRPGYTGSMCNINDECAAGNCHNGTGED 695

QY 92 ---SFCNAGE-----FLDMKQSCKPCAGRYSLGTGIRFEDWDELPHGFASLSANM 141

Db 696 GINGFTCRCPREGYHDTCTSEVNECNSNPCVHGAC-----WDSL-NGY-----737

QY 142 ELDDSAESTGCTSKWTPRGDYIAFNDECTATILMYAVNLKQSGTVNFEEYYPDSILI 201

Db 738 KCDGDFGWSGTNCD-----INNNECESN--PCVN---GDTCK---DMTSGIV 776

QY 202 ---FEFVONDQOPNADDSRMKTTKEGWEFHSVELNRGNVILWRTTAESVTKYKPK 258

Db 777 CTCWEGF--SGPQCOTININECASNPCLNKGTCTDDVAGTKCNCLLPY-----821

QY 259 VLVRNIAITGVAYTSECEPCPKGTAYD-----KQSSFCCLKPCANSYSNKGETSCHOC 311

Db 822 ---TGATCEVVLAPCAPSPCRNGECROSEDESEFSCVCP--TAGAKGOT---C 867

QY 312 DPKYSEKSSSCSNVRPACTDKDYFYTHACDA-----NGEOLMKYKAKP---KICSE 362

Db 868 EVD-INECVLSPCMHGASQNTHGXY-RCHCQAGYSGRNCETDIDDPCPNCHNGSGCTD 925

QY 363 DLEGAVKLPSGVKTHCPNCPNPFKT-----NNSTCPCPGSYSGSDCT-----409

Db 926 ---GINTAFCCCLPFGWGTPEEDINCAADPC-----RNGANTDCVDVSYT 969

QY 410 -RCPAGTEPAVGEFKWMNTLPTNMTTVLSGINEYKMGTWGVAAGHITTAAGASDND 468

Db 970 CTCGAGFS---GHCER--NNTPDCTESSCFNG-----GTCVDGINSEFC-----1008

QY 469 FMILTLVPGF-----RPPQSVMADT--ENKEVARITFVEETLCSVNCELY 512

Db 1009 ---LCPPGFTGYSYQHVYNECDSP--CLIGTCQDGRGLHRTCP--QGYTGRNCOYL 1060

QY 513 FMVGNSTRNTPEVETWKGSKGQSYT-YLIE-ENTTSETMAFQRTTDEASRKYTNDVA 570

Db 1061 ---VHMCDSSPCK--NGKCMQHTHQYRCEPBGWTLGYCDVPSVCEVAAROGVDVA 1114

QY 571 KIYSIVNTVMNGVASYCR-----PALASDVGSST-----SCPA 607

Db 1115 RLCQHGGLCYDAGNTHHCRQAOGYTSGCEDLVDECSPPCONGACTVYDLCGYSCKVA 1174

QY 608 GXY-----ID-----RDSGTCHSCPNTILKAHQYGYOACVPCGPTKNNKIHSL 653

Db 1175 GHYGVWCSEEDICLSHPQNGTCLDL--PNT-YKSCWMTQNG-VHC-----EI 1221

QY 654 CYNDCTFSRNTPTPTFNENFSALANTVTLAGGPFSTSKLKTFFHFTLSLCNQGKMSV 713

Db 1222 NVDDC-----NPVDPVSWMS-----PKCFNNG---T 1244

QY 714 CTQNVYDLRIPEBESGFSKSIYAVCOAVIIPPEVYAGAVSSQPVSLADRLIGVTTDM 773

Db 1245 CVQOV-----GGYSCTC--PPGVG-----EREGGVNCC 1272

QY 774 TLDGITSPEALFLESIGIPDIVIFYRSDNYTQSCSSGRSTTRVRCSPQKTYVGSLLIP 833

Db 1273 ---LSNFC-----DARGTQNCV--QRYNDFHECRAHGTGR---RC--ESVINCCKGRP 1316

QY 834 GTCSDGTCDGCFHFLMESAAACPLCSVADYHA--IYSSCVAGIQKTYVWREPKIC---888

Db 1317 --CKNG-----GTCAVAVSNTARGFICKCPAGFEAT--CENDARTCGSL 1356

QY 889 ---SGG--ISLPEQRYVIC 902

Db 1357 RCLNGGTCISGPPSPCTLC 1375

Search completed: March 12, 2003, 02:04:42

Job time : 37 secs

